

LANCASTER COUNTY

COUNTY - CITY BUILDING Telephone: (402)441-7410
LINCOLN, NEBRASKA 68508 FAX : (402) 441-6513
BOARD OF COMMISSIONERS

IT IS THE VENDOR'S RESPONSIBILITY TO
CHECK FOR ADDENDA PRIOR TO SUBMITTING PROPOSALS

NOTICE TO BIDDERS SPECIFICATION NO. 04-199

Lancaster County, Nebraska intends to purchase and invites you to submit a sealed bid for:

ONE (1) MOBILE COMMUNICATIONS / COMMAND CENTER VEHICLE

Sealed bids will be received by Lancaster County, Nebraska on or before **12:00 noon Wednesday, August 18, 2004** in the office of the Purchasing Agent, Suite 200, K Street Complex, Southwest Wing, 440 South 8th Street (SW Wing), Lincoln, Nebraska 68508. Bids will be publicly opened and read at the K Street Complex.

Bidders should take caution if U.S. mail or mail delivery services are used for the submission of bids. Mailing should be made in sufficient time for bids to arrive in the Purchasing Division, prior to the time and date specified above. *Late bids will not be considered.*

Specifications may be downloaded off our web site at: www.lincoln.ne.gov "Business", "Bidding Opportunities & Awards", Specification Number as listed above

COMMISSIONERS

DEB SCHORR * LARRY HUDKINS * RAY STEVENS * BERNIE HEIER * BOB WORKMAN
KERRY EAGAN, Chief Administrative Officer

BIDDING SCHEDULE
SPECIFICATION NO. 04-199
BID OPENING TIME: 12:00 NOON
DATE: Wednesday, August 18, 2004

The undersigned, having full knowledge of the requirements of the Lancaster County for the below listed Bid, Specifications, Terms & Conditions, and any and all addenda) and all other conditions of the Bid, agrees to enter into a contract with the County for the the performance of this Specification, complete in every respect, in strict accordance with the contract and for fees listed below.

ADDENDA RECEIPT: The receipt of addenda to the specification numbers ____ through ____ are hereby acknowledged. Failure of any submitter to receive any addendum or interpretation of the specifications shall not relieve the submitter from any obligations specified in the request. All addenda shall become part of the final contract document.

MOBILE COMMUNICATIONS / COMMAND CENTER

1. One (1) each **Mobile Communication/Command Center for LSO** - Lump Sum Offer: _____
Manufacture _____ Model # _____
(Submit with your offer a detailed list of components and individual prices adding up to the lump sum offer)
2. **Delivery F.O.B. Lincoln, NE,** _____
(list terms and associated costs if any)
Est. Delivery Time After Receipt of Order (ARO) _____ Weeks or Days

NO BIDDERS BOND REQUIRED WITH THIS BID

3. **INTERLOCAL PURCHASING:** The County desires to make available to other local government entities of the State of NE, by mutual agreement with the successful bidder, and properly authorized interlocal purchasing agreements, the right to purchase the same services and/or commodity, at the prices quoted, for the **period of one (1) year from award of a contract or order from this request**. Each bidder shall indicate on the Bid Form in the space provided below if he/she will honor Political Subdivision orders in accordance with contract terms and conditions, in addition to orders from Lancaster County. ____ YES ____ NO

If "YES", Contract supplier or suppliers may honor pricing and extend the contract to political sub-divisions, cities and counties. Terms and conditions of the contract must be met by political sub-divisions, cities and counties. Under no circumstances shall Lancaster County be contractually obligated or liable for any purchases by political sub-divisions, cities or counties.

The undersigned signatory for the bidder represents and warrants that he has full and complete authority to submit this proposal to the County, and to enter into a contract if this proposal is accepted.

RETURN 2 COMPLETE COPIES OF PROPOSAL AND SUPPORTING MATERIAL.
MARK OUTSIDE OF BID ENVELOPE: SEALED BID FOR SPEC. 04-199

COMPANY NAME

BY (Signature)

STREET ADDRESS or P.O. BOX

(Print Name)

CITY, STATE ZIP CODE

(Title)

TELEPHONE No. FAX No.

(Date)

**EMPLOYER'S FEDERAL I.D. NO.
OR SOCIAL SECURITY NUMBER**

ESTIMATED DELIVERY DAYS

E-MAIL ADDRESS

TERMS OF PAYMENT

BIDS MAY BE INSPECTED IN THE PURCHASING OFFICES, AFTER TABULATION. IF YOU DESIRE A COPY OF THE BID TABULATION TO BE MAILED TO YOU, YOU MUST ENCLOSE A SELF-ADDRESSED STAMPED ENVELOPE WITH YOUR BID.

INSTRUCTIONS TO BIDDERS

LANCASTER COUNTY, NEBRASKA
PURCHASING DIVISION

1. BIDDING PROCEDURE

1. Bidder shall submit two (2) complete sets of the bid documents and all supporting material. All appropriate blanks shall be completed. Any interlineation, alteration or erasure on the specification document shall be initialed by the signer of the bid. Bidder shall not change the proposal form nor make additional stipulations on the specification document. Any amplified or qualifying information shall be on the bidder's letterhead and firmly attached to the specification document.
- 1.2 Bid prices shall be submitted on the Proposal Form included in the bid document.
- 1.3 Bidders may submit a bid on an "all or none" or "lump sum" basis, but should also submit a quotation on an item-by-item basis. Bidding documents shall be clearly marked indicating the kind of proposal being submitted.
- 1.4 Each bid must be legibly printed in ink or by typewriter, include the full name, business address, and telephone number of the bidder; and be signed in ink by the bidder.
- 1.5 A bid by a firm or organization other than a corporation must include the name and address of each member.
- 1.6 A bid by a corporation must be signed in the name of such corporation by a duly authorized official thereof.
- 1.7 Any person signing a bid for a firm, corporation, or other organization must show evidence of his authority so to bind such firm, corporation, or organization.
- 1.8 Bids received after the time and date established for receiving bids will be rejected.

2. BIDDER'S SECURITY

- 2.1 Bid security, as a guarantee of good faith, in the form of a certified check, cashier's check, or bidder's bond, may be required to be submitted with this bid document, as indicated on the Proposal Form.
- 2.2 If alternate bids are submitted, only one bid security will be required, provided the bid security is based on the amount of the highest gross bid.
- 2.3 Such bid security will be returned to the unsuccessful bidders when the award of bid is made.
- 2.4 Bid security will be returned to the successful bidder(s) as follows:
 - 2.4.1 For single order bids with specified quantities: upon the delivery of all equipment or merchandise, and upon final acceptance by the County.
 - 2.4.2 For all other contracts: upon approval by the County of the executed contract and bonds.
- 2.5 County shall have the right to retain the bid security of bidders to whom an award is being considered until either:
 - 2.5.1 A contract has been executed and bonds have been furnished.
 - 2.5.2 The specified time has elapsed so that the bids may be withdrawn.
 - 2.5.3 All bids have been rejected.
- 2.6 Bid security will be forfeited to the County as full liquidated damages, but not as a penalty, for any of the following reasons, as pertains to this specification document:
 - 2.6.1 If the bidder fails to deliver the equipment or merchandise in full compliance with the accepted proposal and specifications.
 - 2.6.2 If the bidder fails or refuses to enter into a contract on forms provided by the County, and/or if the bidder fails to provide sufficient bonds or insurance within the time period as established in this specification document.

3. EQUAL OPPORTUNITY

- 3.1 Each bidder agrees that it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, ancestry, disability, age, or marital status. Bidder shall fully comply with the provisions of Chapter 11.08 of the Lincoln Municipal Code.
- 3.2 Successful bidder will be required to comply with the provisions of the County's Affirmative Action Policy (Contract Compliance, Sec. 1.16).
- 3.3 The Equal Opportunity Officer will determine compliance or non-compliance with the County's Affirmative Action Policy upon a complete and substantial review of successful bidder's equal opportunity policies, procedures and practices.

4. DATA PRIVACY

- 4.1 Bidder agrees to abide by all applicable State and Federal laws and regulations concerning the handling and disclosure of private and confidential information concerning individuals and corporations as to inventions, copyrights, patents and patent rights.
- 4.2 The bidder agrees to hold the County harmless from any claims resulting from the bidder's unlawful disclosure or use of private or confidential information.

5. BIDDER'S REPRESENTATION

- 5.1 Each bidder by signing and submitting a bid, represents that the bidder has read and understands the specification documents, and the bid has been made in accordance therewith.
- 5.2 Each bidder for services further represents that the bidder is familiar with the local conditions under which the work is to be done and has correlated the observations with the requirements of the bid documents.

6. INDEPENDENT PRICE DETERMINATION

- 6.1 By signing and submitting this bid, the bidder certifies that the prices in this bid have been arrived at independently, without consultation, communication or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor; unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder prior to bid opening directly or indirectly to any other bidder or to any competitor; no attempt has been made, or will be made, by the bidder to induce any person or firm to submit, or not to submit, a bid for the purpose of restricting competition.

7. CLARIFICATION OF SPECIFICATION DOCUMENTS

- 7.1 Bidders shall promptly notify the Purchasing Agent of any ambiguity, inconsistency or error which they may discover upon examination of the specification documents.
- 7.2 Bidders desiring clarification or interpretation of the specification documents shall make a written request which must reach the Purchasing Agent at least seven (7) calendar days prior to the date and time for receipt of bids.
- 7.3 Interpretations, corrections and changes made to the specification documents will be made by written addenda.
- 7.4 Oral interpretations or changes to the Specification Documents made in any other manner, will not be binding on the County; and bidders shall not rely upon such interpretations or changes.

8. ADDENDA

- 8.1 Addenda are written instruments issued by the County prior to the date for receipt of bids which modify or interpret the specification document by addition, deletion, clarification or correction.
- 8.2 Addenda will be mailed or delivered to all who are known by the County to have received a complete set of specification documents.
- 8.3 Copies of addenda will be made available for inspection at the office of the Purchasing Agent.
- 8.4 No addendum will be issued later than forty-eight (48) hours prior to the date and time for receipt of bids, except an addendum withdrawing the invitation to bid, or an addendum which includes postponement of the bid.
- 8.5 Bidders shall ascertain prior to submitting their bid that they have received all addenda issued, and they shall acknowledge receipt of addenda on the proposal form.

9. ANTI-LOBBYING PROVISION

- 9.1 During the period between the bid close date and the contract award, bidders, including their agents and representatives, shall not directly discuss or promote their bid with any member of the County Board or County Staff except in the course of County-sponsored inquiries, briefings, interviews, or presentations, unless requested by the County.

10. BRAND NAMES

- 10.1 Wherever in the specifications or proposal form brand names, manufacturer, trade name, or catalog numbers are specified, it is for the purpose of establishing a grade or quality of material only; and the term "or equal" is deemed to follow.
- 10.2 It is the bidder's responsibility to identify any alternate items offered in the bid, and prove to the satisfaction of the County that said item is equal to, or better than, the product specified.

- 10.3 Bids for alternate items shall be stated in the appropriate brand on the proposal form, or if the proposal form does not contain blanks for alternates, bidder MUST attach to the specification documents on Company letterhead a statement identifying the manufacturer and brand name of each proposed alternate, plus a complete description of the alternate items including illustrations, performance test data and any other information necessary for an evaluation. The bidder must indicate any variances by item number from the specification document no matter how slight. Bidder must fully explain the variances from the specification document, since brochure information may not be sufficient.
- 10.4 If variations are not stated in the proposal, it will be assumed that the item being bid fully complies with the County's specifications.

11. DEMONSTRATIONS/SAMPLES

- 11.1 Bidders shall demonstrate the exact item(s) proposed within seven (7) calendar days from receipt of such request from the County.
- 11.2 Such demonstration can be at the County delivery location or a surrounding community.
- 11.3 If bidder does not have an item in the area, it will be at the bidder's expense to send appropriate County personnel to the nearest location to view and inspect proposed item(s).
- 11.4 If items are small and malleable, and the bidder is proposing an alternate product, the bidder MUST supply a sample of the exact item. Samples will be returned at bidder's expense after receipt by the County of acceptable goods. Bidders must indicate how samples are to be returned.

12. DELIVERY

- 12.1 Each bidder shall state on his proposal form the date upon which he can make delivery of all equipment or merchandise. Time required for delivery is hereby made an essential element of the bid.
- 12.2 The County reserves the right to cancel orders, or any part thereof, without obligation, if delivery is not made within the time(s) specified on the proposal form.
- 12.3 All bids shall be based upon **inside** delivery of the equipment or merchandise F.O.B. the County at the location specified by the County, with all transportation charges paid.

13. WARRANTIES, GUARANTEES AND MAINTENANCE

- 13.1 Copies of the following documents must accompany the bid proposal for all items being bid:
 - 13.1.1 Manufacturer's warranties and/or guarantees.
 - 13.1.2 Bidder's maintenance policies and associated costs.
- 13.2 As a minimum requirement of the County, the bidder will guarantee in writing that any defective components discovered within a one (1) year period after the date of acceptance shall be replaced at no expense to the County. Replacement parts of defective components shall be shipped at no cost to the County. Shipping costs for defective parts required to be returned to the bidder shall be paid by the bidder.
- 13.3 Bidder Warrants and represents to the County that all software/firmware/ hardware/equipment /systems developed, distributed, installed or programmed by Bidder pursuant to this Specification and Agreement.
 - 13.3.1 That all date recognition and processing by the software/firmware/hardware/equipment/system will include the four-digit-year format and will correctly recognize and process the date of February 29, and any related data, during Leap years; and
 - 13.3.2 That all date sorting by the software /firmware/hardware/ equipment/system that includes a "year category" shall be done based on the four-digit-year format. Upon being notified in writing by the County of the failure of any software/ firmware/ hardware /equipment /systems to comply with this Specification and Agreement, Contractor will, within 60 days and at no cost to the County, replace or correct the non-complying software/ firmware/ hardware/ equipment/ systems with software/firmware/ hardware/equipment/systems that does comply with this Specification and Agreement.
 - 13.3.3 No Disclaimers: The warranties and representations set forth in this section 13.3 shall not be subject to any disclaimer or exclusion of warranties or to any limitations of Licensor's liability under this Specification and Agreement.

14. ACCEPTANCE OF MATERIAL

- 14.1 All components used in the manufacture or construction of materials, supplies and equipment, and all finished materials, shall be new, the latest make/model, of the best quality, and the highest grade workmanship.
- 14.2 Material delivered under this proposal shall remain the property of the bidder until:
 - 14.2.1 A physical inspection and actual usage of this material is made and found to be acceptable to the County; and
 - 14.2.2 Material is determined to be in full compliance with the specifications and accepted proposal.
- 14.3 In the event the delivered material is found to be defective or does not conform to the specification documents and accepted proposal, then the County reserves the right to cancel the order upon written notice to the bidder and return materials to the bidder at bidder's expense.
- 14.4 Successful bidder shall be required to furnish title to the material, free and clear of all liens and encumbrances, issued in the name of the Lancaster County, Nebraska, as required by the specification documents or purchase orders.
- 14.5 Selling dealer's advertising decals, stickers or other signs shall not be affixed to equipment. Vehicle mud flaps shall be installed blank side out with no advertisements. Manufacturer's standard production forgings, stampings, nameplates and logos are acceptable.

15. BID EVALUATION AND AWARD

- 15.1 The signed bid proposal shall be considered an offer on the part of the bidder. Such offer shall be deemed accepted upon issuance by the County of purchase orders, contract award notifications, or other contract documents appropriate to the work.
- 15.2 No bid shall be modified or withdrawn for a period of sixty (60) calendar days after the time and date established for receiving bids, and each bidder so agrees in submitting the bid.
- 15.3 In case of a discrepancy between the unit prices and their extensions, the unit prices shall govern.
- 15.4 The bid will be awarded to the lowest responsive, responsible bidder whose proposal will be most advantageous to the County, and as the County deems will best serve their requirements.
- 15.5 The County reserves the right to accept or reject any or all bids; to request rebids; to award bids item-by-item, by groups, or "lump sum"; to waive irregularities and technicalities in bids; such as shall best serve the requirements and interests of the County.

16. INDEMNIFICATION

- 16.1 The bidder shall indemnify and hold harmless the County, its members, its officers and employees from and against all claims, damages, losses, and expenses, including, but not limited to attorney's fees arising out of or resulting from the performance of the contract, provided that any such claim, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property other than goods, materials and equipment furnished under this contract) including the loss or use resulting therefrom; is caused in whole or part by any negligent act or omission of the bidder, any subcontractor, or anyone directly or indirectly employed by any one of them or anyone for whose acts made by any of them may be liable, regardless of whether or not it is caused by a party indemnified hereunder.
- 16.2 In any and all claims against the County or any of its members, officers or employees by an employee of the bidder, any subcontractor, anyone directly or indirectly employed by any of them or by anyone for whose acts made by any of them may be liable, the indemnification obligation under paragraph 16.1 shall not be limited in any way by any limitation of the amount or type of damages, compensation or benefits payable by or for the bidder or any subcontractor under worker's or workmen's compensation acts, disability benefit acts or other employee benefit acts.

17. TERMS OF PAYMENT

- 17.1 Unless other specification provisions state otherwise, payment in full will be made by the County within thirty (30) calendar days after all labor has been performed and all equipment or other merchandise has been delivered, and all such labor and equipment and other materials have met all contract specifications.

18. LAWS

- 18.1 The Laws of the State of Nebraska shall govern the rights, obligations, and remedies of the Parties under this proposal and any agreement reached as a result of this process.

19. AFFIRMATIVE ACTION

- 19.1 The City of Lincoln-Lancaster County Purchasing Division provides equal opportunity for all bidders and encourages minority businesses and women's business enterprises to participate in our bidding process.

TECHNICAL SPECIFICATIONS FOR ONE (1) 2004 MODEL MOBILE COMMUNICATIONS / COMMAND CENTER

APPLICATION

This vehicle is to be used by the Lancaster County Sheriff's Office (LSO) during major incidents and also support the response of personnel to crime scenes, clandestine drug labs, fatal accidents, and situations involving the LSO Tactical Response Unit. Upon arrival at the site the vehicle must be completely self sustaining, providing its own air conditioning, heating, and 12 volt dc and 115 volt ac power. It is expected that the vehicles engine and onboard 115-volt ac generator will provide this power.

GENERAL DESCRIPTION

Unit proposed shall be of industrial quality, for use by emergency response team as a mobile command center. Overall length of unit shall not exceed 25 ft. **Drawings attached shall serve as desired floor plan and vehicle detail.**

DELIVERY AND COORDINATION

Bid prices offered shall be new, complete in every way, including freight/delivery costs - ready for use by the County.

Deliver to: Lancaster County Sheriff's Office
Attn: Captain Todd Duncan
555 So. 8th Street
Lincoln, NE 68508

Successful Bidder to coordinate delivery of new equipment with Captain Duncan (402) 441-6500.

SPECIFIC INFORMATION - All questions regarding these specification must be made in writing to the following:

Kathy Smith, Assistant Purchasing Agent
"K" Street Complex (SW Wing)
440 So. 8th Street
Lincoln, NE 68508
Email: ksmith@ci.lincoln.ne.us
Phone: (402) 441-8309
Fax: (402) 441-6513

All questions must be received in the Purchasing Department by no later than, Wed., June 2nd, 2004, to allow adequate time to prepare an addendum to mail to all known specification holders.

SPECIFICATION CHECK LIST

*The vehicle furnished under these specifications shall comply with the following general requirements (**please complete and return with your bid along with any comments and / or exceptions**):*

MEETS SPEC YES NO	ITEM	DESCRIPTION OF DESIRED FEATURE	COMMENTS
	1.0	GENERAL DIMENSIONS	
	1.1	Wheelbase 177 inches maximum	
	1.2	Width Exterior 96 inches maximum	
	1.3	Width Interior 91 inches minimum	
	1.4	Height Overall 114 inches maximum	
	1.5	Length Overall 25.0 feet maximum	
	1.6	Axle to interior wall 72 inches maximum	
	1.7	Headroom over aisle 80 inches minimum	
	1.8	GVWR 18,000 pound maximum	

MEETS SPEC YES NO		ITEM	DESCRIPTION OF DESIRED FEATURE	COMMENTS
		1.9	A 2004 or newer Ford or Chevrolet chassis	
		2.	REAR AXLE	
		2.1	A heavy-duty rear axle shall be provided. Ratio shall be determined by engine size and shall be compatible with the automatic transmission.	
		2.2	Bidder is to state available axle gear ratio options.	
		3.	FRONT AXLE	
		3.1	The front axle or independent front suspension shall be designed with proper wheel and axle geometry so that imperfect front axle operation will not be encountered in service. The axle shall be of ample capacity to carry the load imposed on it as set forth elsewhere in these specifications and shall have a stabilizer bar.	
		3.2	The combined front and rear axle capacities, as rated by the axle manufactures, must equal or exceed the total "wet" curb weight of the vehicle, plus a full seated passenger load, plus operator, at 250 pounds per person.	
		4.	SUSPENSION	
		4.1	Suspension system shall have heavy-duty coil, tensional or conventional leaf springs of proper design and suitable capacity. Springs shall have anti-squeak characteristics.	
		4.2	It is critical that a constant smooth ride be provided by the front suspension with a passenger load of ten (10) 250-pound officers plus equipment. Bounce and rebound must both be controlled.	
		5.	STEERING	
		5.1	A power steering mechanism shall be installed so that the vehicle can be easily steered by the operator without road shock and vibration.	
		5.2	A tilt wheel mechanism shall be installed so that operators can easily enter and exit the vehicle.	
		6.	ELECTRICAL SYSTEM	
		6.1	The electrical system shall be 12 volts DC with negative ground with dual 12 volt batteries. All components, appurtenances, wiring, etc., shall be designed for the same voltage.	
		6.2	The alternator shall be a single alternator configuration, providing 130 Amp minimum at 200 degrees F with matching voltage regulator, providing 70% output at engine idle.	
		6.3	Two (2) maintenance free MODEL 1050 batteries shall be conveniently located and readily accessible for service. Batteries to be minimum of 625 cold cranking Amp @ 0°F., with a 180 minute reserve capacity each. Batteries shall be mounted in a slide out tray located on the right side of the vehicle in the lower skirt area. A battery disconnect switch shall be provided and located inside the vehicle and accessible to the seated operator prior to his or her entrance into the vehicle and to rescue personnel. The battery disconnect shall <u>totally</u> isolate the batteries from the vehicle. Disconnect switch shall be clearly labeled with location information on exterior of vehicle. A third battery shall be used to backup engine computer.	

MEETS SPEC YES NO		ITEM	DESCRIPTION OF DESIRED FEATURE	COMMENTS
		6.4	Two (2) heavy-duty 12 volt horns shall be furnished and installed in a manner to be protected from wheel wash.	
		6.5	Main battery starter cables shall be protected from the weather and properly fastened. Battery cable shall have terminals <u>crimped and soldered</u> . Wire size shall be compatible with battery and starting system. The main wiring harness shall be loom covered, suitable for high temperature locations and installed inside the vehicle body. All terminals and splices shall be <u>Aircraft style crimping</u> and properly insulated. All circuits shall be protected by automatic reset circuit breakers or line fuses. In the case of body fuses and relays, all fuses and relays shall be placed in a single circuit box, easily accessible from outside the vehicle. The circuit box shall be conveniently mounted and have a secure cover. Inside the circuit box cover shall be a legend identifying each circuit and wire by color, number, function and location. This legend shall be permanently mounted to the vehicle.	
		6.6	All engine compartment wiring shall be OEM's standard. Suitable for high temperatures if adjacent to any engine exhaust or source of engine heat.	
		6.7	Light wiring shall be OEM's standard.	
		6.8	All general purpose coach wiring except OEM chassis manufacturer's wiring and OEM subassemblies, shall be high temperature cross-link polyethylene insulated primary wire and shall meet SAE standards J1128 type SXL or GXL and shall be color coded, number coded every six (6) inches and permanently labeled in words describing their function. Only premium components built to meet the Society of Automotive Engineers (S.A.E.) and Underwriter's Laboratories (U.L.) Requirements are used.	
		7.	LIGHTING	
		7.1	Lighting shall comply with the requirements of FMVSS 108, Lamps, Reflective Devices, and Associated Equipment.	
		7.2	Both interior lighting systems (DC and AC) shall be such as to provide adequate light for reading at each seated position, and be controlled by the operator by a separate switch. The operator's map light shall be bright enough to illuminate a map to a level that makes reading small print possible.	
		7.3	Front door entrance shall be illuminated by step-well light(s), suitably mounted and of brilliance so that the entire step-well and not less than two (2) feet of the ground area immediately outside the vehicle door, is illuminated to 5 foot candles. An off/on switch located on the driver's instrument panel shall control doorstep light.	
		7.4	The vehicle shall be equipped with "Sealed Beam" heavy-duty headlights with tilt ray features controlled by a dimming switch button mounted on floor convenient for left foot operation by operator. Headlights, headlight support and mounting, shall be sufficiently rugged to maintain adjustment under road shock and service conditions.	

MEETS SPEC YES NO		ITEM	DESCRIPTION OF DESIRED FEATURE	COMMENTS
		7.5	Flashing directional signals shall be operated by lever on steering column and shall be provided on front and rear of vehicle. Separate hazard lights shall be provided at the rear of the unit to permit continuous flashing when brakes are applied. Front directional lights shall also serve as hazard lights. Flasher unit shall be manufacturer's standard. Directional signals in rear of vehicle shall be combination taillights, stop lights, and intermittent signals. <u>Directional and emergency flasher signals must function while brake pedal is depressed.</u>	
		7.6	Tell-tale light shall be provided in dash panel for turn signal.	
		7.7	Side directional signals wired to operate with front directional signals shall be provided.	
		7.8	A single illuminated license plate holder at the rear and front shall be provided.	
		7.9	All wiring, circuit breakers, fuses, terminals, etc. shall conform to the specifications set forth in 4.6 <u>ELECTRICAL SYSTEM</u> above.	
		7.10	The bidder shall provide a reverse direction alarm (BUA) in compliance with SAE J994MAR85 with respect to acoustical performance for Type B - 107dB(A) plus or minus 4 db with a supply voltage of 14 volts.	
		7.11	Six (6) exterior 12v flood lights, two each on the left and right side, with final two on the rear. Manually adjustable.	
		8.	SAFETY EQUIPMENT	
		8.1	One (1) five pound, UL approved, fire extinguisher's to be furnished and mounted inside the vehicle to as to provide easy access by the driver	
		9.	ENGINE	
		9.1	Engine shall be of a proper OEM dedicated gasoline design, produced by a reputable and recognized engine manufacturer, and shall be of sufficient horsepower and torque over the range of engine speed to give maximum performance in all transmission gear ranges. The engine shall have a displacement of no less than 6.5 liter and not greater than 7.5 liter.	
		9.2	Engine shall be of the latest design incorporating all features, which will minimize emissions and maximize the life of the engine. The engine shall, with normal maintenance, operate with no smoke or objectionable odors, when using oils recommended by the manufacturer.	
		9.3	Engine shall be emissions certified and shall comply with all Federal, Nebraska laws and regulations with regard to air and noise pollution and safety that are in effect on the date of manufacture.	
		9.4	The noise level generated by the engine, air intake, and other vehicle systems shall not exceed 75dB(A) at any point inside the passenger compartment, under normal operating conditions with windows closed.	
		9.5	The engine and components are to be arranged and mounted so as to provide convenient access for servicing the engine and all of its accessories.	
		9.6	A large, air type filter for the air intake shall be provided and mounted so element can be readily removed for cleaning or replacement.	
		9.7	All fuel filters shall be located to provide convenient access for servicing.	

MEETS SPEC YES NO		ITEM	DESCRIPTION OF DESIRED FEATURE	COMMENTS
		10.	TRANSMISSION	
		10.1	Transmission shall be H.D. 4-speed automatic type with cooler. The selector must be easily moved into forward and reverse positions without "raking" gears. Automatic shifting of gears must be completed smoothly without jerking the vehicle. Transmission is to be equipped with a starter interlock to prevent starting of engine unless transmission is in neutral or park position.	
		10.2	Controls for the transmission must comply with Motor Vehicle Safety Standard No. 102, including provision for shifting down manually in the various gear ranges.	
		10.3	Manufacturer's heavy-duty transmission oil cooler shall be furnished.	
		11.	HEATERS, DEFROSTER, VENTILATION & AIR CONDITIONING	
		11.1	The heating and air condition equipment shall be thermostatically and manually controlled to provide the optimum of comfort to the passenger and operator in any kind of weather.	
		11.2	The air conditioning system shall be capable of maintaining a temperature inside the passenger area of the vehicle, of 74°F at a level four (4) feet above the floor or less with an ambient temperature of not less 95°F with a relative humidity of not less than 90%. This system shall be capable of maintaining the above design temperature during normal downtown traffic or prolonged periods of idling without over heating the engine or causing a discharge condition in the electrical system.	
		11.3	The air conditioning system shall have two (2) evaporators (includes OEM if used).	
		11.4	Auxiliary evaporator unit to have multidirectional, multi speed blowers with a minimum capacity of 2000 cubic feet per minute.	
		11.5	The air conditioning system condenser(s) shall be of adequate size and so located as to dissipate heat in an efficient manner, and to prevent excessive refrigerant discharge pressures. Condensers shall have a positive airflow through them during all vehicle speeds and shall be protected from the elements (such as mud, water, hail, etc.), and shall not transfer heat to the engine cooling system.	
		11.6	Two back-seat valves shall be installed at the dryer to facilitate evacuation and charging of the air conditioning system and replacement of the dryer unit. The system shall also be equipped with Schrader valves to promote efficient testing and servicing.	
		11.7	Vehicle shall be equipped with a heater and defroster. The output shall be a minimum of 60,000 BTUs. Heater to be equipped with individual duct and controls for the operator's compartment.	
		11.8	Vehicle shall be equipped with extra rear heater. The output shall be 40,000 BTU minimum. Controls shall be located in operator's compartment.	

MEETS SPEC YES NO		ITEM	DESCRIPTION OF DESIRED FEATURE	COMMENTS
		11.9	The defroster shall provide ample air to keep the front windshield and side windows free and clear at all times of ice on the outside and fogging on the inside. All controls shall be within easy reach of the operator and shall be located on the control panel.	
		11.10	The heater shall maintain a uniform inside temperature, throughout the vehicle no less than 70°F during operation with an ambient outside temperature of 0°F.	
		11.11	Two (2) each 110 v baseboard heaters in the passenger area, one on the left and one on the right side.	
		12.	MIRRORS	
		12.1	The five (5) mirrors described below shall be installed on each vehicle.	
		12.2	Standard outside and interior safety mirrors are required.	
		12.3	The heavy-duty rear-view mirrors shall permit the operator to view the highway along both sides of the coach, including the rear wheels. Spot mirrors are required on both sides, mounted above the rear-view mirrors.	
		12.4	The mirrors shall be firmly attached to the coach to prevent vibration and loss of adjustment, but not so firmly attached that the coach or its structure is damaged when the mirror is struck in an accident.	
		12.5	The manufacture's standard rectangular inside rear view mirror shall be mounted in front and slightly over the operators head. The mirror shall be mounted on a single swivel point and fully adjustable.	
		13.	INSTRUMENT PANEL	
		13.1	The instrument panel shall include all necessary instruments for safe operation of the vehicle, including, but not limited to; fuel gauge, speedometer indicating miles per hour and odometer; volt meter or amp meter; and oil and temperature gauges. All switches shall be protected in an approved manner against accidental operation.	
		13.2	Tell-tale lights on the instrument panel shall indicate the operating conditions of the headlight hi-beam and the directional signals.	
		13.3	All indicators and switches shall be plainly and permanently marked. Instrument panel shall be constructed so as to provide easy access to all instruments or switches.	
		14.	POWER PLANT COMPARTMENT	
		14.1	The power plant compartment shall be completely sealed, so as to prevent smoke and fumes from entering passenger's portion of vehicle; and further, the engine cover shall be insulated from heat and sound (75 dbA max. for sound) by application of an approved durable material of long life. During normal vehicle operation and prolonged periods of idling, the temperature of the engine cover next to operator's foot and leg shall not exceed 90°F. Engine covers and hood shall provide easy access for maintenance employees performing maintenance.	

MEETS SPEC YES NO		ITEM	DESCRIPTION OF DESIRED FEATURE	COMMENTS
		15.	BUMPERS	
		15.1	Rubber safety bumpers of an approved wrap-around channel type are to be provided on the front and rear. Bumper shall be installed to transmit and distribute collision shock directly to vehicle frame. There shall be no plastic materials incorporated in the bumper system.	
		16.	FUEL SYSTEM (Gasoline)	
		16.1	Vehicle shall have a minimum range of 300 miles. The tanks shall be mounted under the chassis between the frame rails of the vehicle. The filler neck shall be installed on the driver side of the vehicle, final location to be approved by the Lancaster County. The tanks shall be of standard OEM design for gasoline fuel.	
		16.2	An appropriate fuel filter shall be provided.	
		16.3	The distributor adjustments and engine timing shall be in compliance with OEM Regulations and must be specified by the successful bidder on the tune-up plate.	
		16.4	The final adjustment shall be on a chassis dynamometer and shall be documented to insure the proper maximum engine performance.	
		16.5	Tune-up specification plates shall be provided with the vehicle. Tune-up specification plate shall specify: Idle speed, ignition timing at idle, ignition timing at 2500 RPM. The plate shall be mounted on the left rear corner of the firewall near the top. The tune-up plat shall be metal type and stamped. Decals are not acceptable.	
		16.6	One (1)-repair manual shall be provided, and shall cover any and all components, maintenance procedures, tune-up procedures, and troubleshooting procedures for the vehicle. This shall include electrical schematics, and parts book.	
		16.7	The fuel neck shall be reinforced to handle standard automotive type fuel hook-up.	
		17.	EXHAUST SYSTEM	
		17.1	The vehicles shall be equipped with an exhaust system which meets Federal and State noise level and exhaust emission requirements. The exhaust pipe shall terminate just ahead of the rear corner of the vehicle, <u>exhausting to the street side</u> , and shall be so constructed that it will not cause back pressure in the motor or damage to the paint, bumper, chassis or wiring components of the vehicle. Flexible tubing will not be permitted in exhaust system. Adequate size aluminized steel long-life muffler shall be used.	
		17.2	The exhaust system shall be secured in place with all steel, spring-loaded hanger system. Rubber support components will not be accepted. No part of the exhaust shall hang below departure angle line to rear bumper bottom.	

MEETS SPEC YES NO		ITEM	DESCRIPTION OF DESIRED FEATURE	COMMENTS
		18.	BRAKES	
		18.1	The vehicle shall be equipped with at least two (2) braking systems. One of these shall be power assisted service brake system, and the other shall be a parking brake system.	
		18.2	These brake systems shall comply with Federal Motor Vehicle Safety Standard 105-75.	
		18.3	A parking brake shall be included with a warning light installed on the dashboard.	
		19.	ENGINE COOLING	
		19.1	Heavy duty engine cooling provide for proper engine cooling during extended (high idle) periods of three (3) hours duration.	
		20.	SEATS	
		20.1	Operator's seat shall be standard seating for this type vehicles. Operator's seat shall have a seat belt retractor and a headrest. An operator's barrier consisting of a vertical stanchion and a padded horizontal bar shall be installed directly behind the driver's seat. No arm rests require A vertical stanchion and modesty panel shall be installed in the entry/exit way at the rear of the step-well.	
		20.2	Passenger: Seating shall be as shown in the proposed seat drawing #1. A five (5)-passenger mid back seats, isle facing, shall be installed on the right side providing a minimum of 20" per passenger. A four (4)-passenger mid back seats, isle facing, shall be installed on the left side providing a minimum of 20" per passenger. Seat frames shall be fully padded with high-density molded polyurethane type foam and reinforced with heavy-duty metal springs of a type design and quality that won't sag with use. For minimum maintenance, coverings on all passenger seats shall be a comfortable, long-life heavy-duty <u>vinyl type material</u> .	
		20.3	Bidder shall submit, as a Request for Approved Equal, proposed floor <u>plan</u> , and <u>profile</u> drawn to <u>½ inch = 1 foot</u> scale and showing locations of seats, passenger assists desk top, removable table and wheel housings. The vehicle will have seating capacity for 14 including driver. Plans should also shown location of fire extinguisher, 112-volt outlets and other specified equipment. <u>Only floor plans submitted as a Request for Approved Equal and approved by the Lancaster County will be acceptable.</u> Samples of interior wall covering, curtains, seat covering and floor covering is required.	
		21.	VIDEO SHELF AND TABLE	
		21.1	Video Shelf: On the left side of the vehicle behind the drivers partition, mount a well supported shelf 16" wide by 18" deep with 21" of space between shelf and ceiling to mount a user installed TV and VCR.	

MEETS SPEC YES NO		ITEM	DESCRIPTION OF DESIRED FEATURE	COMMENTS
		21.2	Table: A removable RV type, double pedestal table, 24" wide, 40" long with a 6" drop leaf. Located at convent position between the left and right seats as close to the front of the seating area as possible. See proposed Drawing #1.	
		22.	BODY CONSTRUCTION	
		22.1	The entire steel body frame (walls, roof and rear) shall be securely welded together to provide an integral one-piece body structure. Fastening of roof and sidewalls by any means other than welding will not be acceptable. The entire body is to be securely welded at the floor, sides and top. All body parts including panels, fasteners, washers, clamps, and like parts shall be treated to prevent corrosion. Body shall be water tested and made tight to prevent leakage. Body sides, rear, and roof shall be thermally and acoustically insulated. The thermal insulating materials shall have physical properties equal to or better than 1 ½ inch thick fiberglass insulation and shall be of fire resistant material of a type approved by Underwriter's Laboratories.	
		22.2	The passenger area floor shall be constructed of 3/4-inch thick marine grade treated with CCA in accordance with AWPB-L-22 standards with sealed waterproof edges. The plywood shall be firmly fastened to a fluted steel sub floor, which is supported by a structural framing system. The body shall be bolted through the sub floor structure to the chassis frame as recommended by the chassis manufacturer. Welding of any body under structure to the chassis frame will not be permitted. The floor area from the right front entrance door to the passenger compartment shall be <u>flat</u> and covered with RCA, or approved equal, ribbed transit flooring. Color of the material shall be RCA flooring color gray.	
		22.3	The interior walls in the passenger area shall be covered from the floor to the lower edge of the side windows with painted metal or by material approved by the Lancaster County. Ceiling shall be finished down to the lower edge of side windows, front to rear. <u>Bidder must submit a Request for Approved Equal for material and only approved material will be acceptable to the Lancaster County.</u>	
		22.4	The underside of this vehicle shall be coated with a fire-resistant, automotive type undercoating material in order to seal, insulate, reduce oxidation, and to deaden sound.	
		22.5	Interior paint color is to be white, whit accessories compatibly styled.	
		22.6	Exterior of the vehicle is to be painted white.	

MEETS SPEC YES NO		ITEM	DESCRIPTION OF DESIRED FEATURE	COMMENTS
		23.	SERVICE DOOR	
		23.1	One (1) entry-exit door shall be located on the right side near the front in a location, which shall provide easy entrance and exit. Front service doors shall be pantograph operating door, properly reinforced, rigid, tight fitting and shall not rattle. The glass shall be tinted to a 50 degree gray density. A handrail shall be installed on the inside of both doorways and properly positioned so as to serve as a boarding assist. The door opening shall provide a clear opening of not less than 80 inches between top of lower step tread and top of door opening and a clear opening width of not less than 32". Handrail shall be positioned so that officers can follow it up with his hand as he walks up the entrance.	
		23.2	One (1) rear-exit door to provide easy entrance and exit from the rear. A window is desired in the door and shall be tinted to a 50 degree gray density. Door shall have handrail to assist entry and exit.	
		23.3	The entry/exit doors shall be designed to afford easy release and prevent accidental opening. Door shall also have a mechanism to hold them open while loading and unloading.	
		24.	GLASS AND WINDOWS	
		24.1	GLASS: All glass is to comply with FMVSS 205, Glazing Materials, and shall be tinted to a 50 degree gray tint except the front windshield.	
		24.2	WINDOWS: Entry/exit door shall be equipped with glazing. Windows shall also be provided on both sides. Windows shall be a horizontal sliding type or have an I or T sliding position. One hinged emergency escape window must be provided on each side and the rear of the vehicle. Emergency windows must be clearly labeled, and operating instructions must be clearly visible. All windows must be in compliance with FMVSS 217.	
		24.3	Privacy window blinds on the left and right side. Blinds must cover the entire window area on the left and right side when extended. The blinds shall be a color to complement the interior and exterior colors.	
		25.	WHEELS AND TIRES	
		25.1	WHEELS: 16" x 6" heavy-duty ventilated pressed steel, tubeless type, one piece tested for 100 PSI pressure. (Seven (7) wheels, including spare.) All wheels are to be interchangeable. Extra heavy-duty wheel bearings are required.	
		25.2	TIRES: Seven (7) tubeless steel belted radial black wall truck type with "all weather" type thread design. Size LT225/75R16D.	
		25.3	Rear tire track width shall be a maximum of 82" measured at the centerline of the outside dual tire.	
		25.4	Wheels and tires shall comply with FMVSS 119.	
		25.5	Stainless steel wheel simulators shall be included.	

MEETS SPEC YES NO		ITEM	DESCRIPTION OF DESIRED FEATURE	COMMENTS
		26.	FRONT STEP	
		26.1	Passenger steps are required on the right front entry/exit doorway of the vehicle. Lower tread height shall be no higher than 12" above street level when vehicle is fully loaded. Steps step-well is to be of one-piece steel construction and shall be covered by RCA, or approved equal, yellow edge. Transit type non-skid material. Steps shall be a minimum of 35" wide and shall have a tread depth of 12" minimum on the first step and a second step depth of 10" minimum. Risers shall be a maximum of 9 ½".	
		27.	RADIO	
		27.1	Standard AM/FM radio will be provided.	
		28.	WARRANTY	
		28.1	CHASSIS AND POWER TRAIN: Shall be warranted, on a one hundred percent (100%) parts and labor basis, for 12 months or 75,000 miles, whichever comes first. Emissions control system shall be warranted for 60 months (5 years) or 50,000 miles, whichever comes first? Warranty shall not be subject to a minimum deductible or financial fees of any type. Chassis and Power Train warranty shall specifically cover defects in materials and manufacturing/assembly quality or workmanship.	
		28.2	Chassis and Power Train warranty shall not apply to normal maintenance expenses or normal wear of moving parts or components such as, but not limited to, brake linings, calipers, rotors, drums, shock absorbers, belts, hoses, battery or tire wear. No warranty shall be responsible for damage to vehicle from abuse, misuse, and negligence or as the result of vehicle being involved in an accident.	
		28.3	BODY: Exterior Structure, including all fasteners and welds, body sheet metal corrosion and rust-through perforation, paint adhesion and bonding shall be warranted, on a one hundred percent (100%) parts and labor basis, a minimum of 60 months (5 years), on an Unlimited Mileage Basis, against defects in materials and workmanship <u>directly by the body manufacturer.</u>	
		28.4	Body parts and components purchased by the bus body manufacturer from outside vendors and suppliers, such as, but not limited to, heaters, fans, switches, wiring, seating, floor covering, window systems, etc. shall be warranted for a minimum of 12 months (1 year), or 12,000 miles, whichever comes first, against defects in materials and workmanship <u>directly by the body manufacturer.</u> Warranty shall not apply to normal wear of parts or components, normal maintenance expenses or damage to seat upholstery or glass from accident or vandalism.	
		29.	TAILLIGHTS	
		29.1	Trucklite 44002" or approved equal shall be used for the red lights used for brake and turn lights. "Trucklite 40044" or approved equal shall be used for the clear lights used backup warning. A total of three brake lights are required. The third light shall be mounted in the center of the vehicle just below the window. The rear wall thickness shall be depth enough to allow taillights to be flush mounted.	
		30.	RUST PROOFING	
		30.1	The entire vehicle shall be rust proofed Bidder shall be responsible for a 5 year (6 month) warranty.	

MEETS SPEC YES NO		ITEM	DESCRIPTION OF DESIRED FEATURE	COMMENTS
		31.	AUXILIARY GENERATOR	
		31.1	A Honda 6KW, 120 volt generator shall be installed on the curbside in the skirt area of the vehicle. Generator shall be equipped with automatic cutoff switches for low oil pressure and high engine temperature.	
		31.2	A hour meter and start/stop controls shall be mounted on the driver's instrument panel.	
		31.3	The generator shall be mounted so that all normal servicing can easily be performed.	
		31.4	A UL approved circuit breaker box shall be mounted near the generator in a convent location. It shall have independent breakers of sufficient capacity for each of the two air conditioners; each wall outlet and four (4) spare (Unused) 15 amp breakers for future installations.	
		31.5	A weather proof exterior 120 volt electrical outlet located on the right side just to the rear of the battery box with A 50 foot 10/3 electrical shore power extension cord shall be provided.	
		31.6	Three interior (3) 120 volt AC double outlets shall be wired to the breaker box and install in the following locations: 1. Near the TV/VCR shelf. 2. Above refrigerator.	
		32.	ROOF MOUNTED AIR-CONDITIONING UNITS	
		32.1	Two (2) each 13,500 btu, 120 volt roof mounted air-conditioning units shall be installed.	
		32.2	Units shall be mounted and sealed so condensation or rainwater enters does not enter the vehicle.	
		33.	INTERIOR	
		33.1	Norcold Model DE-461 120 v AC/12 v DC refrigerator 52.875"H x 23.25"W x 23.75"D, placed as shown in enclosure (1) In the space above the refrigerator, install a shelf and a 120 volt ac outlet, to be used to hold various battery chargers.	
		33.2	48" x 38" Lavatory with chemical toilet, paper holder, moist hand wipe dispenser and trash receptacle.	
		33.3	Overhead luggage racks (Both sides over seats)	
		33.4	Under seat Storage (Both sides as possible)	
		33.5	Table and Chair Storage for 2 folding tables and 6 folding chairs on street side to the rear of the 4 seats.	
		34.	STORAGE	
		34.1	Left side Interior Storage 52" wide 23" deep, full interior height with adjustable shelving and interior doors.	
		34.2	Right side Interior Storage 33" wide 23" deep full interior height with adjustable shelving and interior doors.	
		34.3	Large over the windshield storage compartment with interior doors.	

MEETS SPEC YES NO		ITEM	DESCRIPTION OF DESIRED FEATURE	COMMENTS
		34.4	Right Rear, combination interior/exterior storage. Two equally spaced pullout shelves face outside (Lower 48"), with weather proof/lockable exterior doors. Two adjustable upper shelves face inside with interior doors.	
		35.	EXTERIOR AWNING	
		35.1	Manually operated canvas awning on the curb side, mounted as high up on the vehicle as possible. Extending from behind the front entrance door to the rear of the vehicle.	
		36.	NEBRASKA STATE STATUTES	
		36.1	Pursuant to State of Nebraska Statutes, the successful bidder shall hold at the time of the bid opening, a current Motor Vehicle Dealer Licence from the State of Nebraska. A copy of the bidder's Dealer Licence must be included in with the bid response. Failure to hold a current Motor Vehicle Dealer Licence will cause the bid to be immediately rejected without further consideration.	
<p>Company Name and address (printed)</p>				
<p>By (Signature): _____ Printed name & title: _____</p>				

DESIRED OPTIONS TO THE BASE UNIT SPECIFIED ABOVE
(Prices offered shall be complete including all modifications and/or installation - County reserves the right to select only the options desired at time of order)

MEETS SPEC YES NO		ITEM	DESCRIPTION OF DESIRED FEATURE	PRICE TO ADD OPTION
		O-1.	Two (2) Kwik-Raze model KR-533-W/2 or 4 inch pole-mounted flood lights mounted on right and left rear exterior corners of vehicle	\$
		O-2.	Roof ladder mounted on rear of the vehicle with all recommended safety features (i.e., roof rack, etc.)	\$
		O-3.	Curb or road side exterior bottom-hinge access door to storage area under passenger seats, large enough for shovels and similar items.	\$
		O-4.	Modify all interior cabinets to add a ½ to 1 inch lip on the bottom edge of all interior storage and shelving to prevent items from easily sliding out if a door should open during operation of the vehicle.	\$
		O-5.	Modify rear bumper to include a fold-up step for easy access through rear door.	\$
		O-6.	Add an additional 120 volt exterior electrical outlet to the left side of the vehicle.	\$
		O-7.	Add an exterior handle for rear door.	\$

MEETS SPEC YES NO		ITEM	DESCRIPTION OF DESIRED FEATURE	PRICE TO ADD OPTION
		O-8.	Six (6) surface mounted scene lights, two each: (2) roadside, (2) curbside, and (2) rear. Switches to be mounted in driver console area.	\$
		O-9.	Enclose right-side above seat storage area with transparent or wire mesh doors to prevent storage content from falling out of the compartment during motion.	\$
		O-10.	Add headlight flashers similar to pursuit vehicles.	\$
		O-11.	Add running lights on strobe, similar to pursuit vehicles.	\$
		O-12.	Add TV antenna with wiring (jack to be placed at TV/VCR shelf).	\$
		O-13.	Add self/automatic leveling equipment on vehicle.	\$
		O-14.	Two (2) emergency light bars similar to: Sho-Me Chameleon, LED signal stick with control head, mounted above front windshield and rear door. Control switch to be on driver's console.	\$
		O-15.	Oversized above seat storage unit in lieu of standard units. Shall extend from vehicle roof a minimum of 15-16 inches.	\$
		O-16.	Add a single stainless steel hand rail securely mounted on the interior roof running the length of the center isle, for the purpose of safety should a passenger need to stand and steady themselves during operation of the vehicle.	

MATERIALS, WORKMANSHIP and TESTING SPECIFICATIONS

MATERIALS

- A. All material used in construction of the vehicle and all its parts shall conform in all respects to American Society of Testing Materials, Society of Automotive Engineers, or similar association standards. Materials used shall be of first quality.
- B. All lumber shall be thoroughly kiln dried, free from knots and check, and shall be clear straight grain, dressed on all sides or as specified herein.
- C. All painted aluminum sheets shall be thoroughly cleaned and coated with epoxy chromate protective primer, or approved equal, prior to assembly in vehicle.
- D. All joints shall be protected by application of zinc-chromate metallic compound, Butyl Tape Sealer, or approved equal, at assembly.
- E. Plywood shall be exterior grade, treated with CCA in accordance with AWPB-LP-22 standards with sealed waterproof edges.
- F. All bolts, nuts, washers, and exposed linkage shall be zinc, cadmium plated, or phosphate coated to prevent corrosion.

WORKMANSHIP

- A. Workmanship shall be of the best quality and shall conform in all respects to the best practice in the industry.
- B. Welding procedures, welding materials, and qualifications of operators shall be in accordance with the standards of the A.S.T.M. and the American Welding Society. All exposed welds shall be ground smooth after welding to present a smooth workmanlike appearance. Where metal is welded to metal, the contact surfaces shall be free of scale, grease, and paint.
- C. Where non-anodized metal is riveted or bolted to metal, contact surfaces shall be thoroughly cleaned with high temperature cleaning agent, double rinsed, and coated with critical corrosion epoxy chromate primer, or approved equal. All rivets shall completely fill the holes.

All bolts or rods passing through wood shall be cadmium plated, or approved equal. Where wood and wood are placed together, both shall be coated with powered aluminum and spar varnish or linseed oil and titanium oxide, or other approved sealing compound.
- D. All wood shall be filled, sealed, and finished.
- E. All steel and aluminum body parts which are to be painted shall be thoroughly cleaned and double rinsed, or one (1) water rinse and one (1) neutralizing rinse using metacote concentrate to inhibit corrosion and insure proper paint adhesion. Excess joint sealer shall be removed prior to priming with heavy-duty epoxy chromate primer. External roof joints may be protected with a resin type undercoated material. Particular care should be exercised to see this materials sprayed into all corners, crevices, and pockets.
- F. All exterior light fixtures shall be fitted to the contour of the vehicle body and adequately sealed to prevent entrance of water. The sealing gasket (between the fixture and the vehicle body) shall be a pliable material, that is unaffected by UV rays, heat or cold. The material must be dimensionally stable.

- G. All rubber seals on ventilator doors and compartment cabinet doors shall be placed in "U" shaped channel to hold rubber firmly in place, or other approved method.
- H. All burrs and sharp edges shall be dressed prevent injury to passenger and operator.
- I. Special care shall be taken with the outside sheathing roof, roof bonnets, and the interior finish so that all kinks and buckles are removed before assembly to present a true and smooth finish without excessive grinding off of the material so as to weaken the structure.
- J. All painted surfaces shall have a true and smooth surface that will not show sanding or grinding marks after painting.

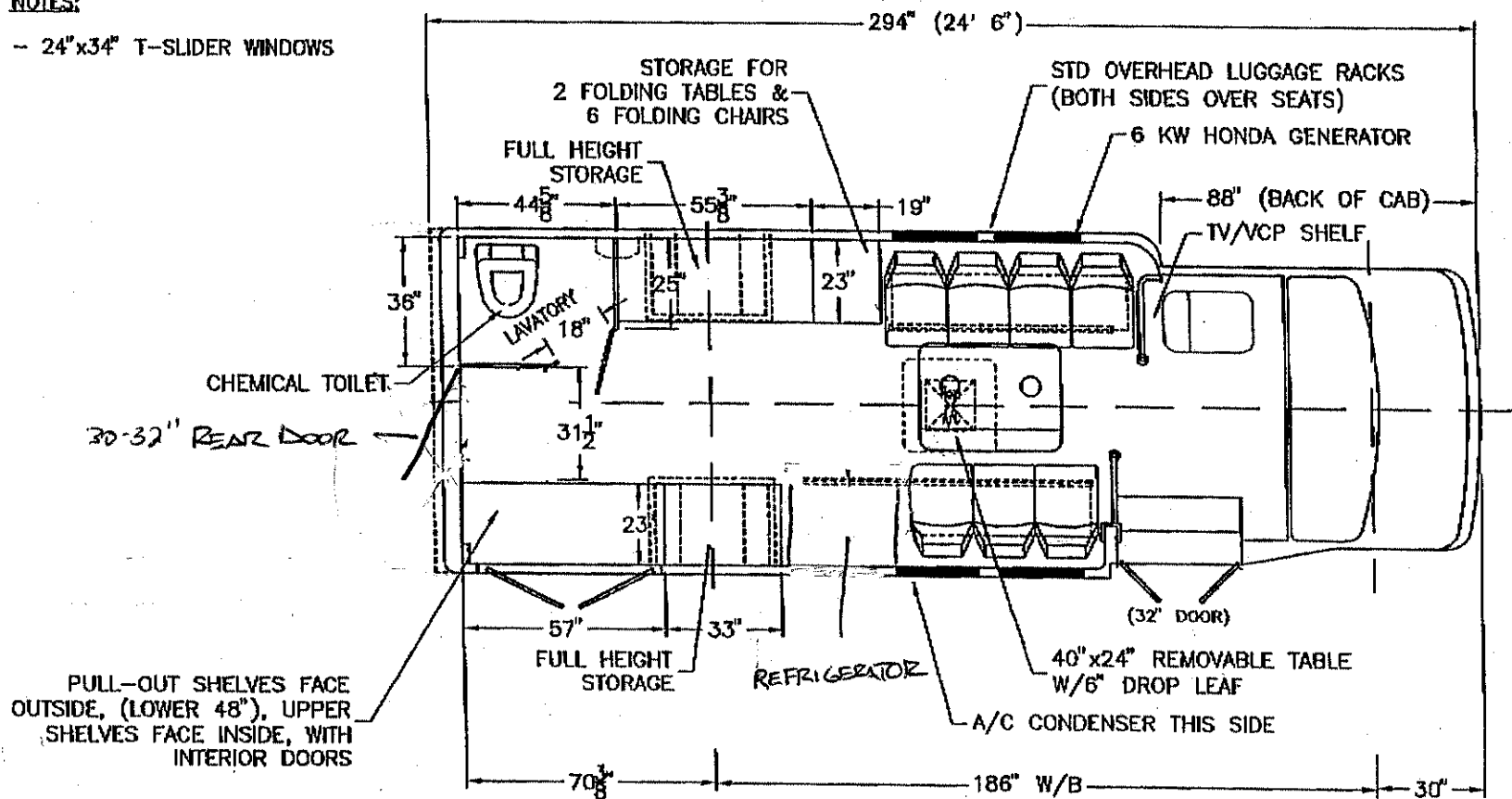
TESTING

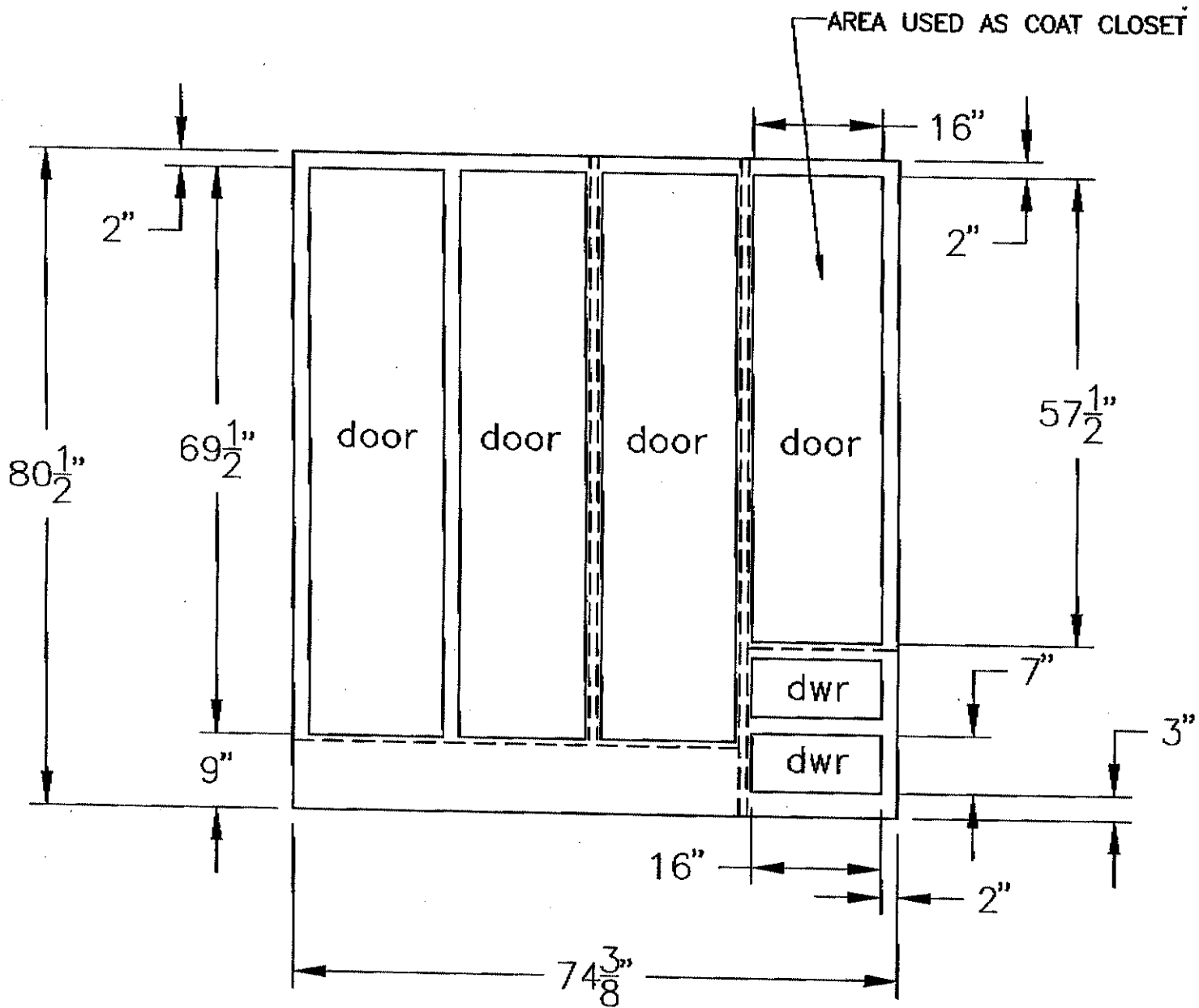
- A. Complete vehicle and all working and moving parts and operating devices shall be thoroughly tested and put in proper operating condition by the manufacturer.

SEE ATTACHED DRAWING DETAILS

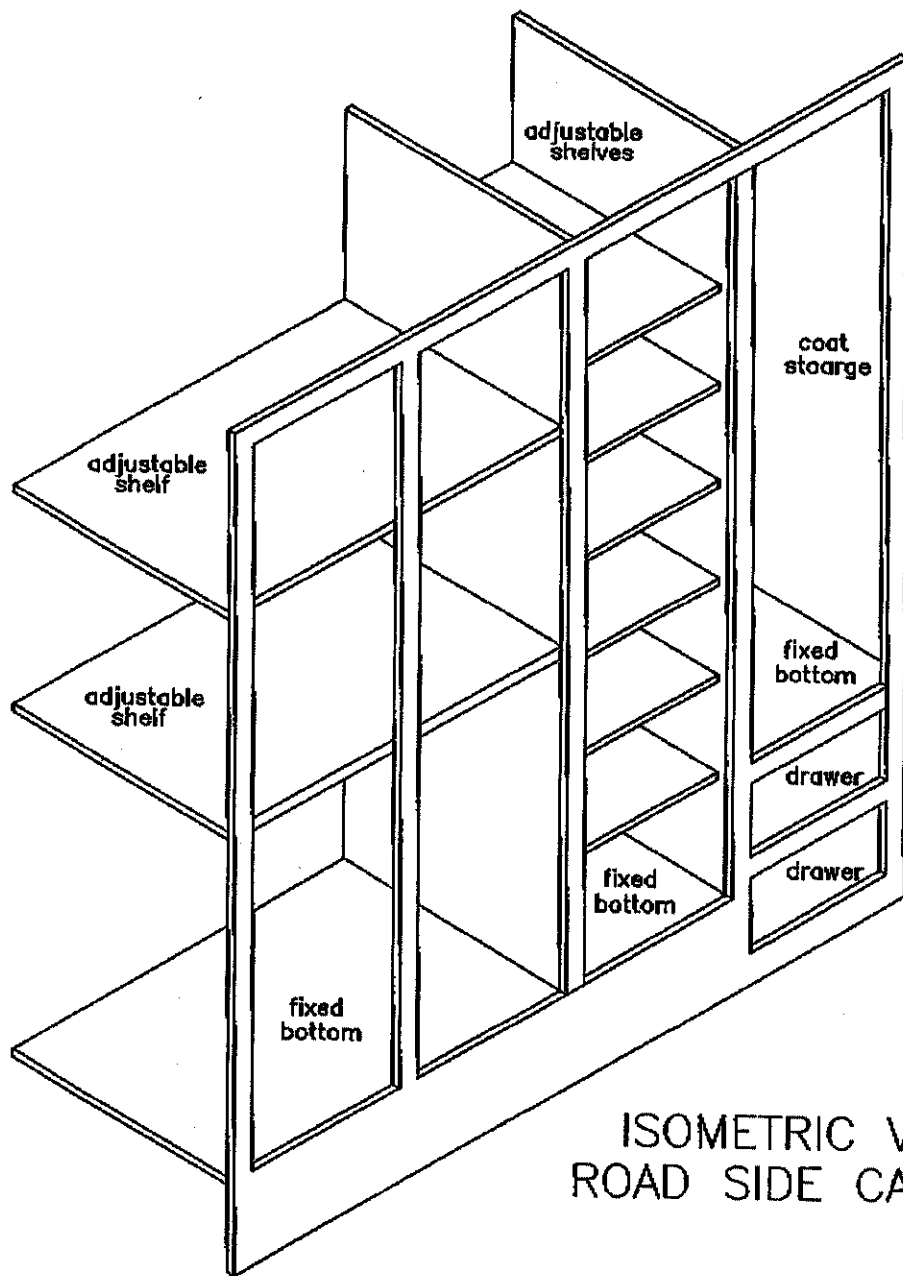
NOTES:

- 24"x34" T-SLIDER WINDOWS

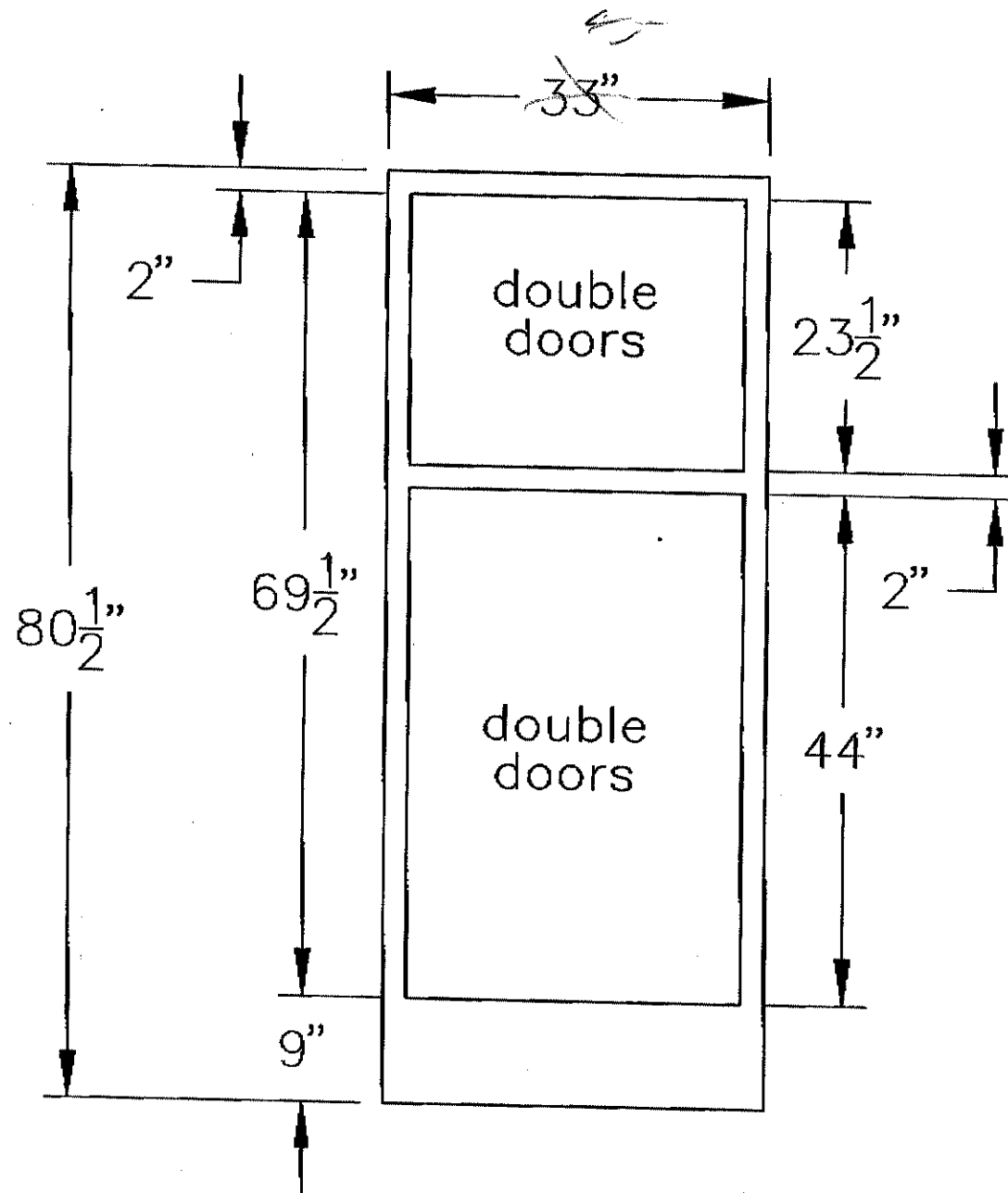




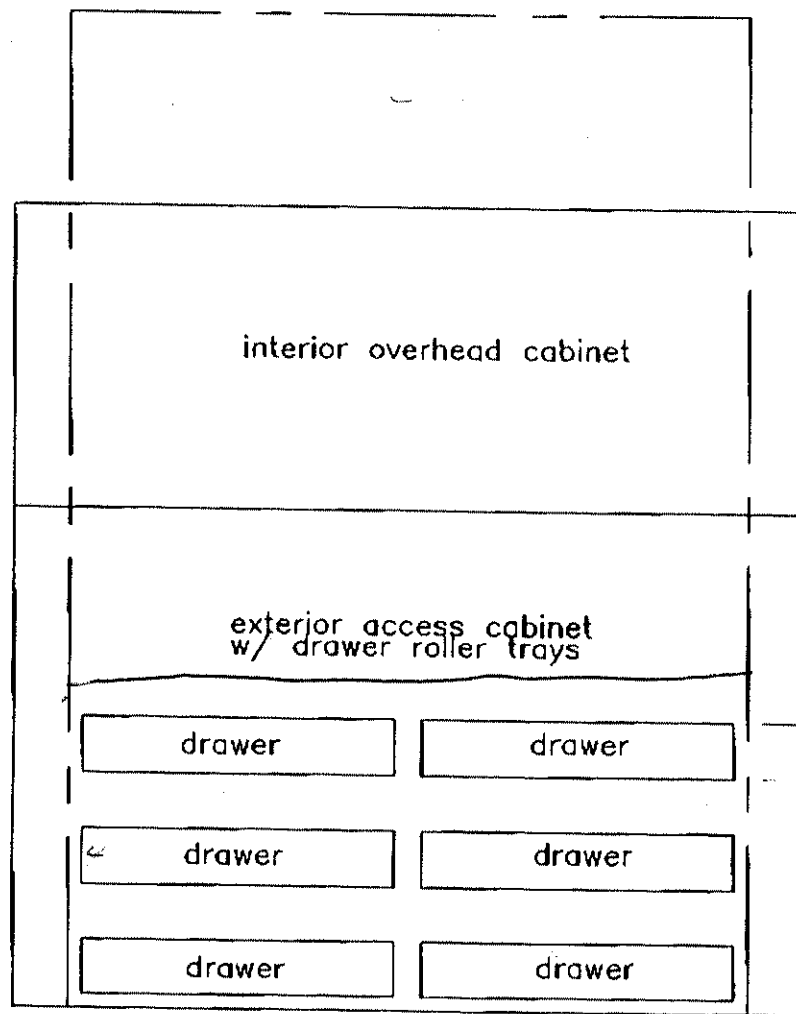
ROAD SIDE CABINET



ISOMETRIC VIEW
ROAD SIDE CABINET



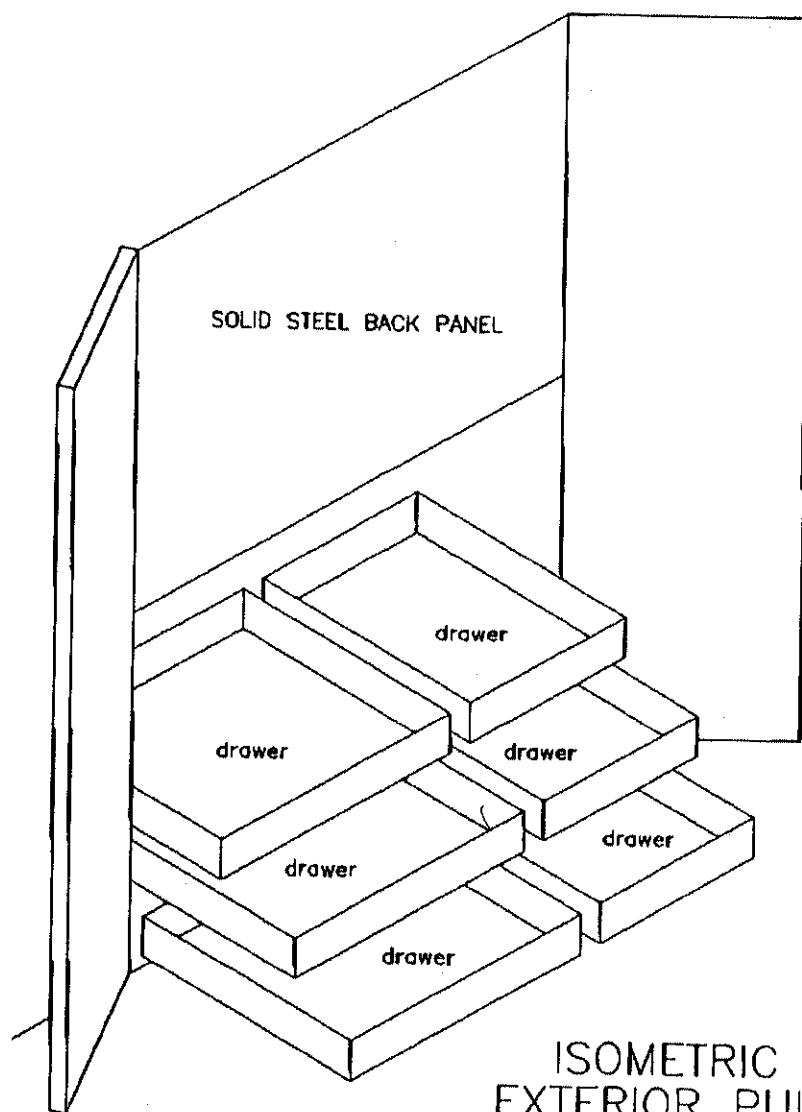
CURB SIDE CABINET

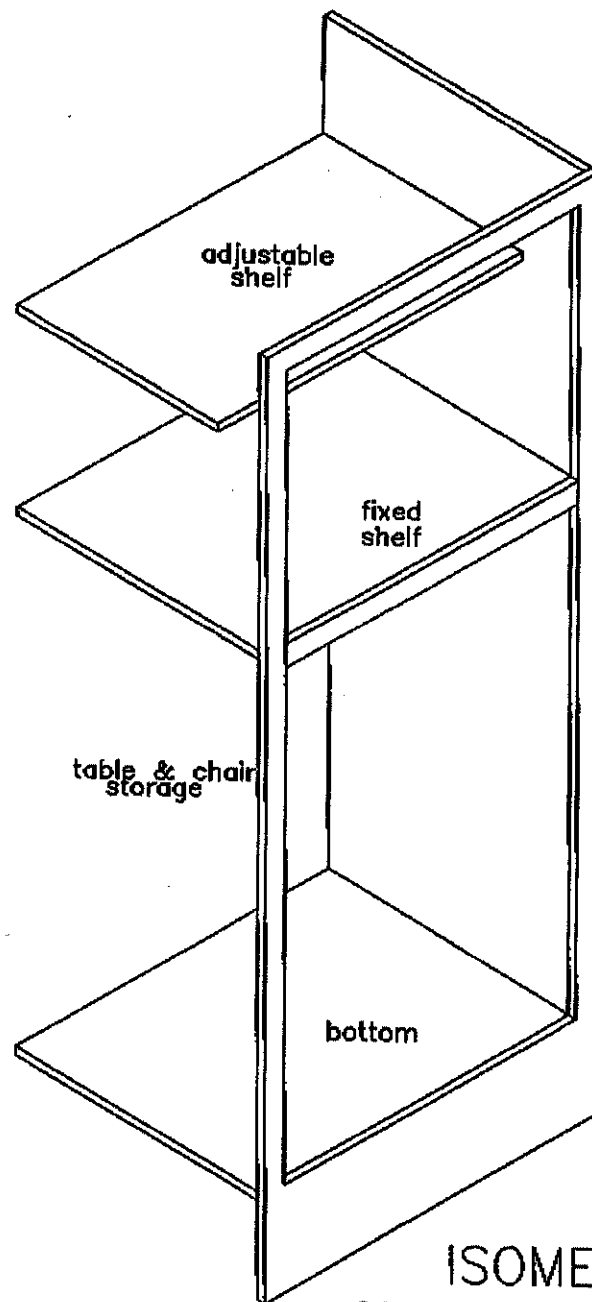


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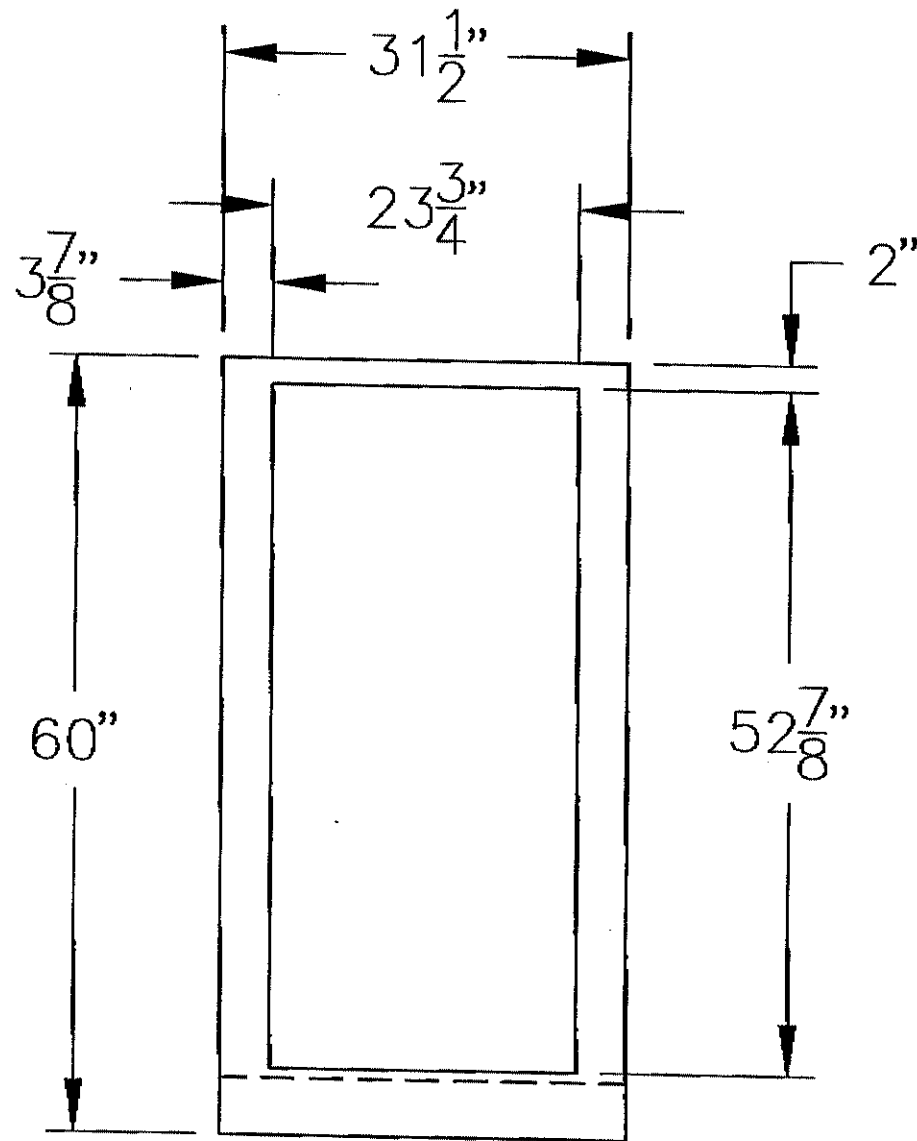
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EXTERIOR PULL OUTS





ISOMETRIC
CURB SIDE CABINET



REFRIGERATOR CABINET

